

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1268482

Luminaire Tested: P3A02R109740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R109740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

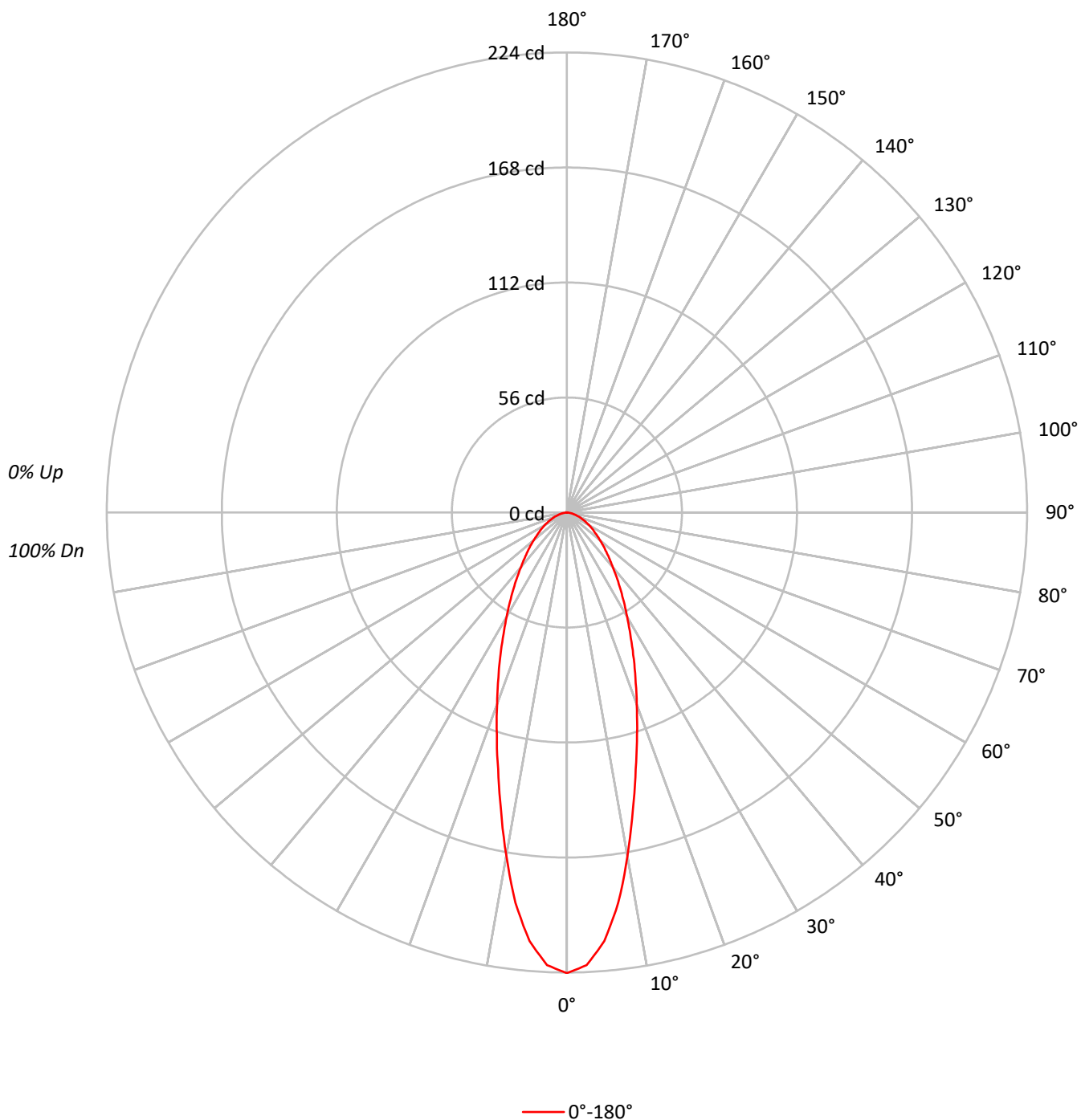
Lumens per Lamp: N/A
Luminaire Lumens: 169.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.67
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95
2	104	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	83	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	58	79	70	63	58	68	62	58		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49185
5°	46093
10°	37808
15°	29376
20°	23172
25°	18485
30°	14838
35°	12100
40°	9962
45°	8404
50°	7198
55°	6232
60°	5526
65°	4825
70°	4296
75°	3474
80°	2778
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8404 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	11.1
10°-20°	36.2	21.4
20°-30°	35.2	20.8
30°-40°	28.5	16.8
40°-50°	21.1	12.5
50°-60°	14.8	8.7
60°-70°	9.3	5.5
70°-80°	4.4	2.6
80°-90°	0.8	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	90.2	53.3
0°-40°	118.6	70.2
0°-60°	154.5	91.4
0°-90°	169.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	169.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	224	
5°	209	19
15°	129	36
25°	76	35
35°	45	28
45°	27	21
55°	16	15
65°	9	9
75°	4	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	224.3
2.5°	220.6
5°	209.4
7.5°	191.7
10°	169.8
12.5°	148.3
15°	129.4
17.5°	113.4
20°	99.3
22.5°	87.1
25°	76.4
27.5°	66.7
30°	58.6
32.5°	51.5
35°	45.2
37.5°	39.7
40°	34.8
42.5°	30.8
45°	27.1
47.5°	24.1
50°	21.1
52.5°	18.5
55°	16.3
57.5°	14.5
60°	12.6
62.5°	10.8
65°	9.3
67.5°	7.8
70°	6.7
72.5°	5.2
75°	4.1
77.5°	3.0
80°	2.2
82.5°	1.1
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)